

ABSTRACT

In a planar optical waveguide type optical circuit 1, a reflection filter 4 is installed on the inside of a inclined groove 3, which is formed so as to cross optical waveguides 2_n . Reflected light from the reflection filter 4 is detected by photodetectors 61_n of a photodetector array 60, thereby the optical intensity of the signal light is monitored. As for the photodetectors 61_n , there is adopted a constitution such that a sub-mounting substrate 70 is disposed at the top side of the optical circuit 1 to hold the photodetector array 60 with a photodetector mounting face 71, which is inclined at an angle α ($0^\circ < \alpha < 90^\circ$) with respect to the top surface of the optical circuit 1 such that the reflected light from the reflection filter 4 is made incident onto a light incident face 63 of the photodetectors 61_n in the photodetector array 60 at a predetermined angle ϕ . As a consequence, an optical waveguide module, which is capable of monitoring the optical intensity correctly regardless of the polarization state of the signal light, is obtained.